

Serial No. 10/763,804
60130-2009
02MRA0265

AMENDMENT

IN THE CLAIMS:

1. (CURRENTLY AMENDED) A caliper for a disc brake comprising:
a thrust member and a force transmission device, the force transmission device comprising, a first end engaged with the thrust member; ~~and a second end engageable with a friction element and a middle portion disposed between said first end and said second end,~~ wherein the force transmission device is operable along a first axis to move the friction element into engagement with a rotary brake disc in response to a loading from the thrust member, and wherein the force transmission device is restrained proximate the first end ~~and the second end~~ from movement transverse to the first axis and the middle portion of the force transmission device is unguided ~~and unsupported by the caliper proximate the second end so as to permit the force transmission device to pivot transverse to the first axis about the first end, in the absence of a further restraint at the second end.~~
2. (PREVIOUSLY PRESENTED) The caliper device according to claim 1 wherein the second end is remote from the first end, and the second end has a formation that engages the friction element and restricts relative movement therebetween in a direction transverse to the first axis so as to provide a further restraint.
3. (PREVIOUSLY PRESENTED) The caliper according to claim 1 further including a housing that restrains movement at the first end transverse to the first axis.

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4. (CURRENTLY AMENDED) A caliper for a disc brake comprising at least one tappet having a first end engageable with a thrust member; and a second end engageable with a friction element, the at least one tappet ~~assembly~~ being operable along a first axis to move the friction element into engagement with a rotary brake disk in response to a loading from the thrust member, wherein the at least one tappet includes a tappet shaft and an adjuster shaft and is extendable by relative rotation of the tappet shaft and the adjuster shaft and further includes an end formation for engagement with a friction element to restrict rotation of one of the tappet shaft and the adjuster shaft to permit the at least one tappet to extend, the caliper further comprising a cooperating formation between the housing and one of the tappet shaft and the adjuster shaft to prevent relative rotation between the housing and the one of the tappet shaft and the adjuster shaft of the at least one tappet when in a retracted position only.

5-7. (CANCELLED)

8. (PREVIOUSLY PRESENTED) The caliper according to claim 4 wherein the cooperating formation includes a non-circular portion of the friction element and a complementary non-circular portion of said at least one tappet, and the non-circular portion of the friction element engages the complementary non-circular portion of said at least one tappet.

9. (CANCELLED)

10. (PREVIOUSLY PRESENTED) The caliper according to claim 4 wherein the cooperating formation is a plurality of teeth.

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11. (CURRENTLY AMENDED) A disc brake caliper assembly comprising:
- a friction element;
 - a housing including a chamber;
 - a thrust member mounted within the chamber; and
 - a force transmission device mounted within the chamber, the force transmission device including a first end in engagement with the thrust member, ~~and a second end in non-rotatable engagement with a friction element~~ and a middle portion disposed between the first end and the second end,

the force transmission device being operable along a first axis to move the friction element into engagement with a rotary brake disc in response to a loading from the thrust member in order to apply a braking force to the rotary brake disc,

wherein the force transmission device is restrained at the first end from movement transverse to the first axis and the engagement between the friction element and the force transmission device restrains movement of the second end transversely within the limit of movement of the friction element, and wherein the force transmission device is unguided and unsupported by the housing along the middle portion ~~intermediate the first end and the second end.~~

12. (PREVIOUSLY PRESENTED) The disc brake caliper assembly according to claim 11, further comprising an adjuster mechanism to extend the force transmission device from a retracted position in which there is sufficient clearance to permit the friction element to be replaced with the caliper in a fitted state, and an extended position in which the adjuster mechanism has at least partially extended the force transmission device in order to maintain a substantially constant brake running clearance, the disc brake caliper assembly further comprising a cooperating formation between the housing and the force transmission device to prevent relative rotation between the housing and an element of the force transmission device when in a retracted position only.